# CURTAINS & SHEERS

## manual







The use of curtains and sheers in interiors has myriad advantages. They can help to determine the atmosphere and identity of a space, imbuing it with tactility and comfort while regulating light and temperature. They can soften reverberation and the space itself, connect or divide a room. They give us the opportunity to adjust our spaces to support productivity and wellbeing.

Made in Vescom's on-site weaving mill – giving us complete control over the manufacturing process – our curtains and sheers look and feel completely natural yet are made from flame retardant polyester to meet the strictest global standards for public buildings.

A comprehensive guide to Vescom curtains and sheers, this manual explains the strict testing procedures they undergo, outlines their technical specifications, and illustrates their potential spatial solutions.

VESCOM

# contents


## 01 quality control and tests 4

flame retardancy 6
colorfastness to crocking and light 7
seam slippage 8
STANDARD 100 by OEKO-TEX® 9
IMO certification 10

## 02 the benefits of curtains & sheers 11

visual comfort 13
thermal comfort 14
black out and dim out curtains 15
darkening/blocking of light 16
acoustic sheers 17
sound absorption 18
floor-to-ceiling curtains and sheers 19

## 03 maintenance and care instructions 21

shrinkage 22
disinfection 23

## 04 overview technical specifications 24






# 01 quality control and tests







# quality control and testing procedures

**Vescom has spent decades developing, manufacturing and distributing curtains and sheers for the contract market, leaving us with a wealth of in-house knowledge and expertise.**

Because we produce everything in our on-site weaving mill, our inhouse team runs each fabric through extensive quality control procedures, both during and after production. To meet the strict global technical requirements of the contract market, **all Vescom curtains and sheers undergo both in-house and external testing.** These tests determine the development of quality standards for our inhouse production.

**flame retardancy**
Fabric's ability to resist burning.

**colorfastness to crocking and light**
Fabric's ability to retain colour and its resistance to fading.

**seam slippage**
Fabric's resistance to seam slippage.







## FLAME RETARDANCY

Vescom curtains and sheers look and feel completely natural yet are made from flame retardant polyester to meet the strictest global standards for public buildings. Within these standards, Vescom has determined its own set of minimum standards. Our products are tested worldwide in accordance with country-specific requirements, including European and American standards.

**Vescom curtains and sheers pass:**
EN 13773, class 1
BS 5867–2, type C
NF P 92 / 503–507, M1*
DIN 4102, B1
UNI VF 8456–8457, class 1
IMO 2010 FTP part 7
NFPA 701
CAN/ULC S109

* except black out curtains Elba and Sotra

Official test certificates for each product are available for download on our website www.vescom.com.







## COLORFASTNESS TO CROCKING

**ISO 105-X12** (scale 1-5)
**AATCC 8**

This test is designed to determine the resistance of the colour of textiles to rubbing off and staining a dry or wet test cloth. The result depends on the nature of the colour and the depth of the shade. Tests are made on light, medium and dark colours. A score of 5 = no transfer.

**Vescom curtains and sheers achieve a score of 4-5.**

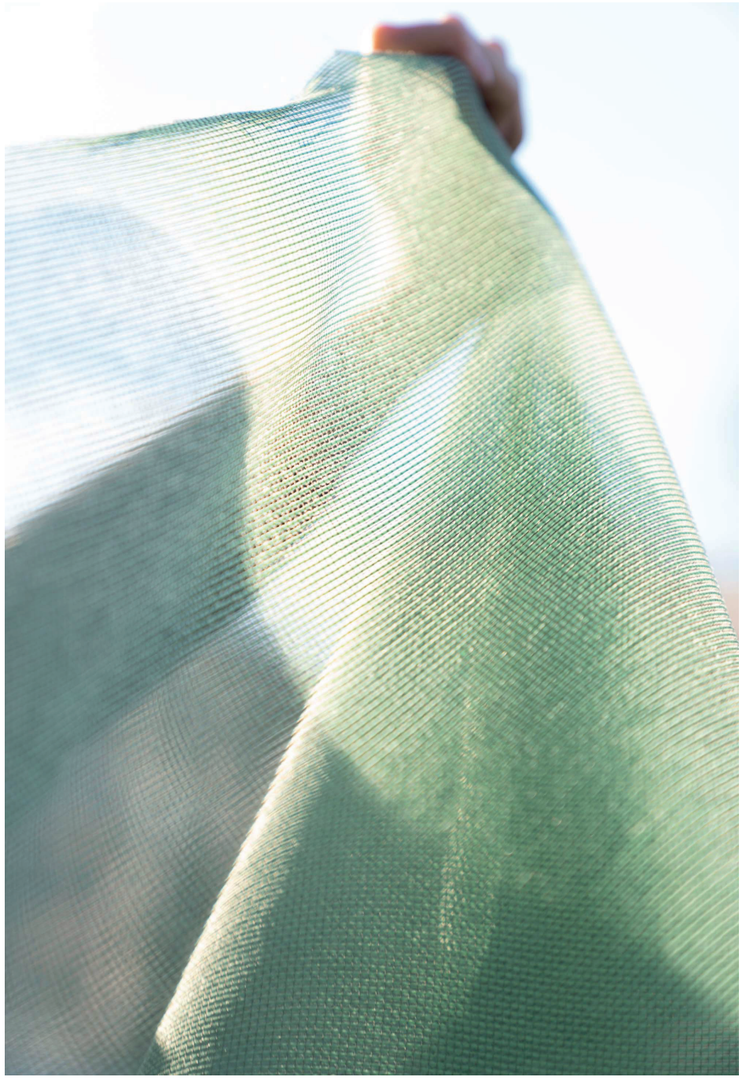
## COLORFASTNESS TO LIGHT

**ISO 105-B02** (scale 1-8)
**AATCC 16.3**

To test a fabric's colorfastness to light, a swatch is exposed to a controlled light source that simulates the sun's rays. At timed intervals, the test swatch is compared with a grey scale and the degree of fading is rated. A score of 8 = no fading.

**Vescom curtains and sheers achieve a minimum score of 5-6.**





## SEAM SLIPPAGE

**ISO 13936-2**, warp and weft in mm

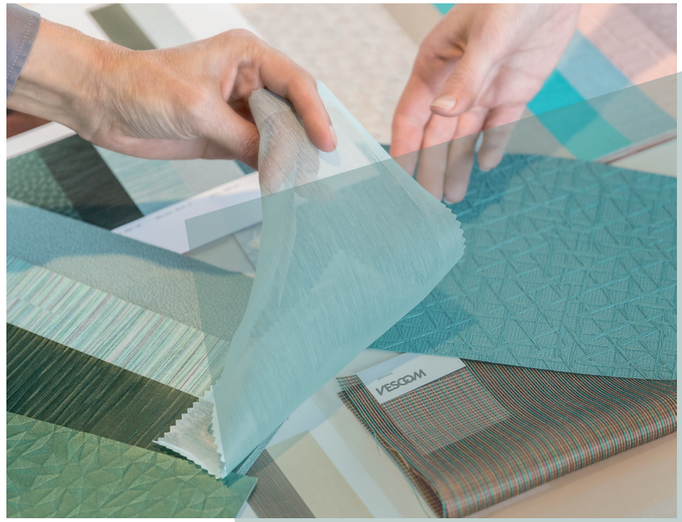
This test determines the slippage resistance of yarns at a seam in woven fabrics. **Good resistance to seam slippage means curtains are protected against damage caused by handling, including opening and closing.** This quality should already be embedded into the end result during production/confection and sewing. Vescom is able to balance a fabric's soft hand and supple drapery with its technical demands.

**Most of Vescom curtains standard is below 6 mm, sheers standard is below 4 mm, and sheers with an open weave (Dreher) standard is below 8 mm.**



# STANDARD 100 by OEKO-TEX®

STANDARD 100 by OEKO-TEX® is a global certification system that ensures every component of a product is tested for the presence of several hundred harmful substances, including pesticides, carcinogenic colourants and heavy metals. Textiles that carry the STANDARD 100 label are 100% certified to have absolutely no adverse impact on human health.




Official test certificates are available for download on our website www.vescom.com.





# IMO certification

The International Maritime Organization (IMO) sets standards for the safety of international shipping, including which materials are allowed to be used on board. Only products that receive IMO certification – meaning they pass the most stringent of testing procedures – can be safely used aboard waterborne vessels, including cruise ships.

Vescom curtains and sheers are tested with the fire test IMO 2010 FTP part 7.

**Vescom is a certified IMO supplier.**

Official test certificates are available for download on our website www.vescom.com.

# 02
# the benefits of curtains & sheers





# visual and thermal comfort

Light and warmth have both benefits and disadvantages, depending on the situation. Curtains and sheers can regulate the natural light and heat that enter a space, greatly improving its comfort and contributing to people's wellbeing. But achieving the right light and temperature within a space is a delicate balance, and each space has its own requirements. Vescom curtains and sheers undergo various tests to prove their level of light and temperature regulation, making it clear which product is the best fit for which conditions.

**Vescom curtains and sheers are tested according to the European standard EN 410/ EN 14501, on light, medium and dark colours.**





## VISUAL COMFORT
### EN 410/EN 14501

The visual performance of a fabric can be assessed by measuring its capacity to optimize or minimalize the available daylight. Vescom curtains and sheers are tested on these criteria:

**light transmission degree**
Indicates the percentage of visible light transmitted through the fabric.

**light remission/reflection degree**
Indicates the percentage of visible light reflected by the fabric.

**darkening/blocking of light**
Indicates the light that is blocked to darken a room. This part of the test is only available for black outs and dim outs.

Official test certificates are available for download on our website www.vescom.com.





# THERMAL COMFORT
## EN 410/EN 14501

The thermal performance of a fabric can be assessed by measuring the solar energy (light and heat) on these criteria:

**solar transmission**
Indicates the percentage of solar radiation transmitted through the fabric. A low percentage means the fabric performs well at reducing solar energy.

**solar absorption**
Indicates the percentage of solar radiation absorbed by the fabric. A low percentage means the fabric absorbs little solar energy thus less heat.

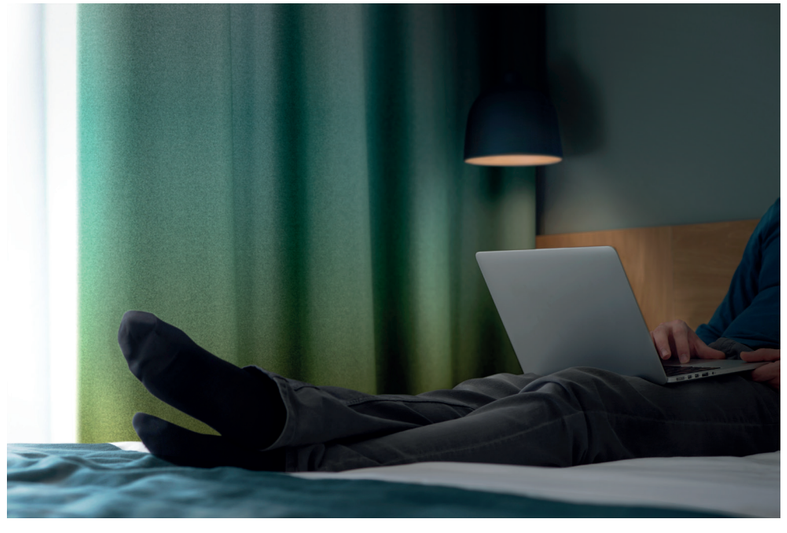
**solar reflection**
Indicates the percentage of solar radiation reflected by the fabric. A high percentage means the fabric performs well at reflecting solar energy back towards the outside.

**total solar factor (gtot)**
Gtot value indicates the proportion of heat that affects a room in relation to the solar energy. The gtot value is calculated with a combination of double glazing with air interspace and the fabric. A low value means that this combination contributes to good thermal comfort.

**reduction factor (Fc value)**
Fc value indicates the effectiveness of the fabric against solar energy and evaluates the fabric on its thermal protection performance. The lower the reduction value is, the better the fabric performs.

Official test certificates are available for download on our website www.vescom.com.

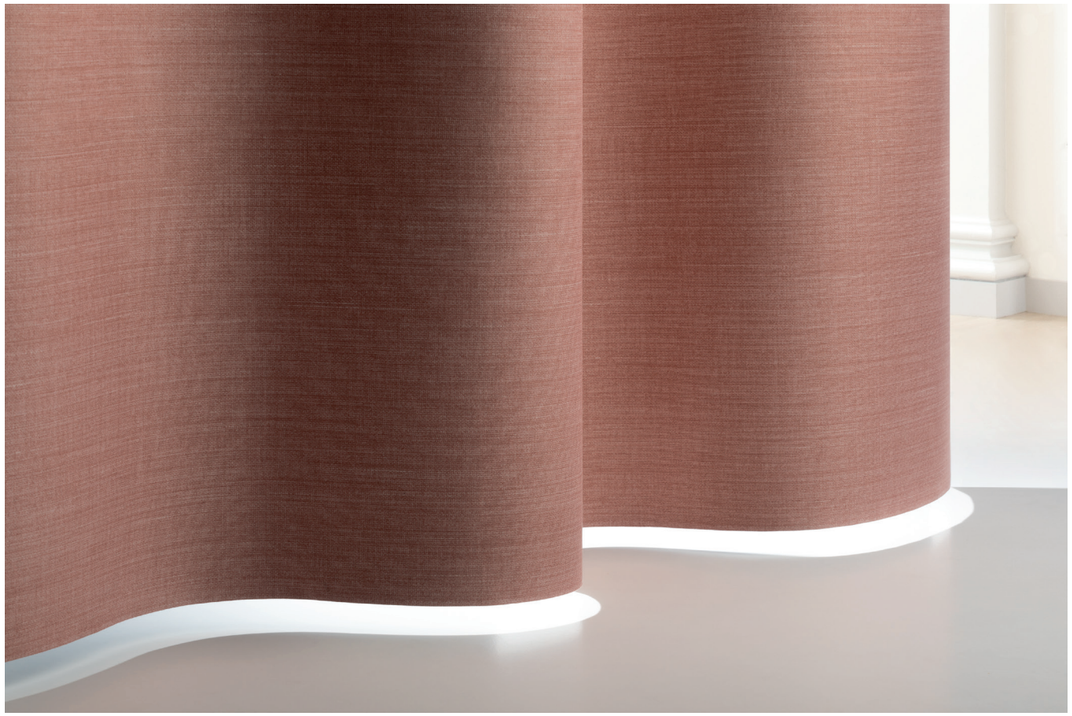




## VISUAL AND THERMAL COMFORT OF BLACK OUT AND DIM OUT CURTAINS

Black out or dim out curtains can greatly contribute to wellbeing. Think of hotel rooms and hospitals – places where the necessities of rest and sleep are often interrupted by light pollution. Vescom black out and dim out curtains offer a floor-to-ceiling solution, ensuring the best possible coverage. These solutions are also beneficial for spaces like conference rooms, classrooms and lecture theatres, where projectors demand certain light conditions.

**All of our black out fabrics have a light-coloured reverse side, which means the curtains appear harmoniously uniform from the outside. What's more, because lighter tones better reflect light, they keep out as much heat as possible.**





## DARKENING/BLOCKING OF LIGHT
### EN 410/EN 14501
### AATCC 148

Our black out and dim out curtains are tested on their lightblocking performance measured under 1.000 lux and 100.000 lux conditions.

**Vescom's black out curtains block 100% of the light from entering a space.**

**Vescom's dim out curtains block 99% of the light from entering a space.** They are tightly woven with a very dense black warp; the denser the warp and weft, the better the dim out function.

Official test certificates are available for download on our website www.vescom.com.







# acoustic sheers

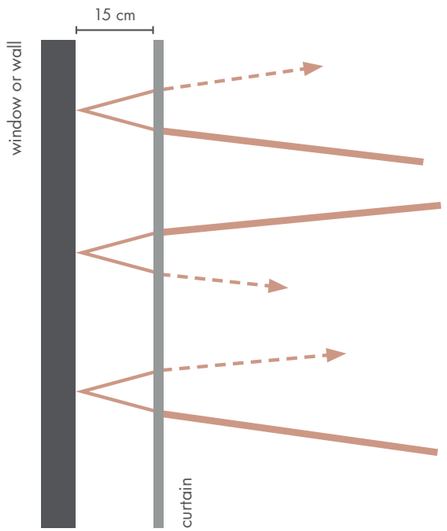
Noise is disruptive. It hinders communication, reduces job performance and causes fatigue. Vescom's acoustic sheers are designed to combat sound pollution and its negative health effects. These productivity- and wellbeing-focused solutions reduce echo time, absorb sound and improve comprehension, making them ideal for today's interiors rich in sound-reflective surfaces such as concrete, glass and marble.

The porosity of Vescom's acoustic sheers and the special weaving and yarn technology used in their production enable them to absorb up to five times more sound than other sheers. The use of the special yarn creates a subtle sheen in the fabric.

**Vescom's technologically advanced transparent acoustic sheers minimize sound disturbance while maximizing visual connections and daylight.**



**effect of acoustic sheers**

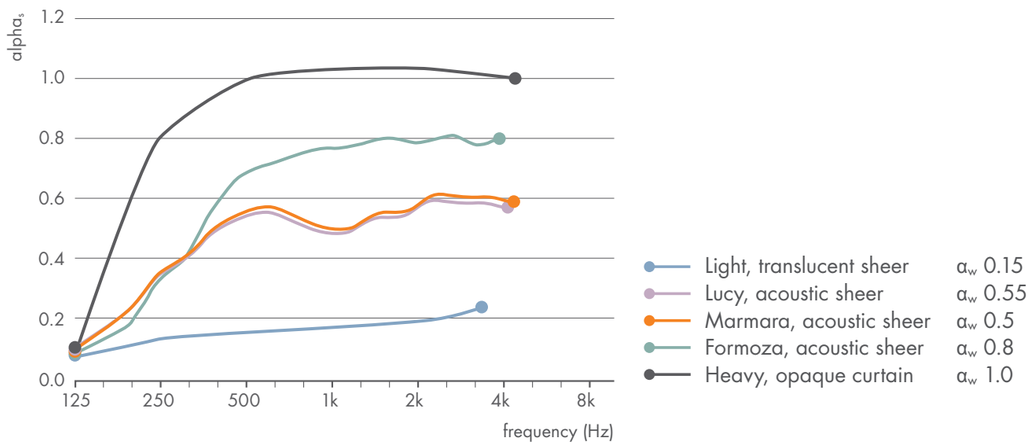



# SOUND ABSORPTION
## ISO 354
## ASTM C423

This test measures the sound absorption of an acoustic material in a reverberation room. It is measured using the sound absorption coefficient alpha (α), which has a value between 0 and 1.00. Zero represents no absorption (total reflection) and 1.00 represents total absorption of the incident sound.

**Vescom acoustic sheers have a sound absorption coefficient alpha between $\alpha_w$ 0.5 and $\alpha_w$ 0.8 in the optimal installation 15 cm away from the reflective surface and fully pleated.** In the same installation conditions, a standard lightweight sheer has an alpha of $\alpha_w$ 0.15.

**comparison of fabrics**




15 cm gap between sheer and window or wall, fully pleated.

Official test certificates are available for download on our website www.vescom.com.



# floor-to-ceiling curtains and sheers

Some of our curtains and sheers are woven on a double loom, giving them a width of between 270 cm and 317 cm.

To achieve a seamless and cost-effective floor-to-ceiling solution, double width fabrics can be rotated 90° so that their width covers the height of the room. This is also called **railroaded installation.**





Fogo, floor-to-ceiling installation



Fogo, regular installation, design direction rotates

Enclosed is a list of Vescom double width curtains and sheers and their suitability for dual direction use, if necessary for spaces higher than the fabric's width.

| product name | product number | width | floor-to-ceiling installation | regular installation |
|---|---|---|---|---|
| **sheers** | | | | |
| **airy** | 8087 | ± 290 cm, ± 114 inches | √ | no |
| **chira** | 8053 | ± 317 cm, ± 125 inches | √ | √ |
| **clare** | 8052 | ± 300 cm, ± 118 inches | √ | √* |
| **fogo** | 8051 | ± 308 cm, ± 121 inches | √ | √* |
| **gridd** | 8095 | ± 302 cm, ± 119 inches | √ | √ |
| **lindsey** | 8096 | ± 306 cm, ± 120 inches | √ | √* |
| **mira** | 8094 | ± 307 cm, ± 121 inches | √ | √* |
| **nias** | 8086 | ± 315 cm, ± 124 inches | √ | no |
| **swan** | 8071 | ± 300 cm, ± 118 inches | √ | √ |
| **teon** | 8085 | ± 306 cm, ± 121 inches | √ | √* |
| **toby** | 8088 | ± 307 cm, ± 121 inches | √ | √* |
| **acoustic sheers** | | | | |
| **capri** | 8056 | ± 306 cm, ± 120 inches | √ | √* |
| **elara** | 8089 | ± 302 cm, ± 119 inches | √ | √* |
| **formoza** | 8090 | ± 295 cm, ± 116 inches | √ | no |
| **lucy** | 8092 | ± 307 cm, ± 121 inches | √ | √* |
| **marmara** | 8025 | ± 300 cm, ± 118 inches | √ | √ |
| **curtains** | | | | |
| **ellis** | 8079 | ± 300 cm, ± 118 inches | √ | √ |
| **rona** | 8080 | ± 301 cm, ± 118 inches | √ | √ |
| **dim out** | | | | |
| **bedra** | 8059 | ± 295 cm, ± 116 inches | √ | √ |
| **rani** | 8067 | ± 294 cm, ± 116 inches | √ | √ |
| **tavira** | 8009 | ± 300 cm, ± 118 inches | √ | √ |
| **black out** | | | | |
| **elba** | 8069 | ± 277 cm, ± 109 inches | √ | √ |
| **moroni** | 8060 | ± 280 cm, ± 110 inches | √ | √ |
| **sotra** | 8070 | ± 283 cm, ± 111 inches | √ | √* |

√* design direction rotates

# 03 maintenance and care instructions



## SHRINKAGE
### EN 6330/EN 25077

This test determines the dimensional changes of fabrics when subjected to laundering procedures, with results indicated as a percentage of the original width and length.

**Vescom curtains and sheers are tested at 30°C, 50°C and 70°C, an acceptable level of shrinkage should be less than 3% in both directions.**

# maintenance and care instructions

The ability to wash and clean curtains is crucial for contract interiors – spaces like hotels, for instance, which experience a high turnover of individuals, as well as hospitals, where hygiene is non-negotiable. **Vescom curtains and sheers are washable, tested at 30°C, 50°C and 70°C.**

**Most of our curtains and sheers are washable at 70°C. Textiles must be washed at a minimum temperature of 60°C to kill bacteria, viruses and dust mites.**

The care instructions for each article are a good guideline for washing or dry-cleaning. In order to understand these instructions, please have a look at the following symbols:




These symbols indicate that the fabric can be washed at a maximum of degrees of the number indicated. The underscore line indicates that the washing should be carried out with care, meaning half load and low spin cycle.



This symbol indicates that the fabric should not be washed with bleach cleanable agent.



A cross indicates that the fabric should not be dried in a tumbler dryer.



The iron symbol indicates that a fabric can be ironed, the dots indicate the temperature. (1 dot = cool iron, 2 dots = medium iron, 3 dots = hot iron)




Dry-cleaning: a product can be gently cleaned with PCE.



## DISINFECTION

While Vescom recommends washing curtains and sheers at high temperature for hygiene purposes, polyester FR can also be disinfected with alcohol-based disinfectants. Therefore we advise to use ethanol based spray in a concentration between 70% and 80%. **Internal testing with an ethanol based spray at 73% with a period of 24 hours treatment has proven no change or damage of colour, structure or hand of the fabric.**

Furthermore, Vescom curtains and sheers can be disinfected by using chlorine-based detergents during washing. **Internal testing with chlorine-based detergents and hygiene rinse at 30°C and 70°C washing during 30 minutes has proven no change or damage of colour, structure or hand of the fabric.**

- Always pre-test a small area with the detergents before use.
- Always follow the instructions on the label of the manufacturer for the correct mix solution when using a concentrated sanitizer.
- All fabrics must be rinsed with clean water and wiped dry with a clean cloth when using a spray sanitizer. Do not oversaturate the fabric.

# 04
# overview technical specifications

VESCOM

| product name | product number | composition | width | weight | floor-to-ceiling installation | flame retardancy | color-fastness to light | color-fastness to crocking | OEKO-TEX® | maintenance | sound absorption | light transmission* | light remission/ reflection* | uv transmission* | solar transmission* | solar reflection* | solar absorption* | gtot* | Fc value* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ISO 105-B02 (scale 1-8) | ISO 105-X12 (scale 1-5) | | | ISO 354 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 |
| **sheers** | | | | | | | | | | | | | | | | | | | |
| **airy** | 8087 | 100% polyester FR | ± 290 cm, ± 114 inches | ± 143 gr/m¹ ± 5 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -0.8%/weft -0.5% | | 76%<br>68%<br>53% | 21%<br>17%<br>8% | 66%<br>57%<br>52% | 77%<br>71%<br>65% | 21%<br>18%<br>15% | 3%<br>11%<br>20% | 64%<br>65%<br>66% | 84%<br>85%<br>87% |
| **chira** | 8053 | 100% polyester FR | ± 317 cm, ± 125 inches | ± 143 gr/m¹ ± 5 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -0.8%/weft -0.5% | | 76%<br>68%<br>53% | 21%<br>17%<br>8% | 66%<br>57%<br>52% | 77%<br>71%<br>65% | 21%<br>18%<br>15% | 3%<br>11%<br>20% | 64%<br>65%<br>66% | 84%<br>85%<br>87% |
| **clare** | 8052 | 100% polyester FR | ± 300 cm, ± 118 inches | ± 174 gr/m¹ ± 6 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -2%/weft -2% | | 63%<br>59%<br>49% | 33%<br>31%<br>8% | 56%<br>52%<br>48% | 63%<br>59%<br>53% | 33%<br>30%<br>15% | 4%<br>11%<br>32% | 57%<br>58%<br>65% | 75%<br>76%<br>86% |
| **fogo** | 8051 | 69% recycled polyester FR 31% polyester FR | ± 308 cm, ± 121 inches | ± 237 gr/m¹ ± 8 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -3.8%/weft -0.8% | | 66%<br>53%<br>50% | 29%<br>17%<br>7% | 61%<br>51%<br>49% | 66%<br>58%<br>57% | 29%<br>24%<br>19% | 5%<br>18%<br>24% | 59%<br>61%<br>63% | 78%<br>80%<br>83% |
| **gridd** | 8095 | 60% recycled polyester FR 40% polyester FR | ± 302 cm, ± 119 inches | ± 190 gr/m¹ ± 6 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -2.8%/weft -0.8% | | 52% | 5% | 52% | 62% | 14% | 25% | 67% | 88% |
| **lindsey** | 8096 | 77% recycled polyester FR 23% polyester FR | ± 306 cm, ± 120 inches | ± 267 gr/m¹ ± 9 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -0.6%/weft -0.6% | | 58%<br>37%<br>28% | 40%<br>17%<br>4% | 49%<br>34%<br>29% | 59%<br>49%<br>44% | 39%<br>26%<br>19% | 2%<br>24%<br>38% | 53%<br>59%<br>63% | 70%<br>78%<br>83% |
| **mira** | 8094 | 63% recycled polyester FR 37% polyester FR | ± 307 cm, ± 121 inches | ± 375 gr/m¹ ± 12 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -2%/weft -1.5% | | 54%<br>43%<br>30% | 38%<br>24%<br>5% | 40%<br>34%<br>28% | 54%<br>48%<br>41% | 37%<br>30%<br>20% | 8%<br>22%<br>38% | 54%<br>57%<br>61% | 71%<br>75%<br>81% |
| **nias** | 8086 | 78% recycled polyester FR 22% polyester FR | ± 315 cm, ± 124 inches | ± 375 gr/m¹, ± 12 oz/yd¹ | √ | √ | 6-7 | wet 4-5 dry 4-5 | √ | shrinkage: warp -3%/weft -0.4% | | 46% | 17% | 42% | 52% | 24% | 24% | 60% | 80% |
| **swan** | 8071 | 100% polyester FR | ± 300 cm, ± 118 inches | ± 285 gr/m¹ ± 9 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -2%/weft -0.4% | | 53%<br>47%<br>26% | 43%<br>41%<br>18% | 44%<br>35%<br>27% | 53%<br>47%<br>38% | 43%<br>42%<br>32% | 4%<br>12%<br>30% | 51%<br>51%<br>56% | 67%<br>67%<br>73% |
| **teon** | 8085 | 100% polyester FR | ± 306 cm, ± 121 inches | ± 214 gr/m¹ ± 7 oz/yd¹ | √ | √ | 6-7 | wet 5 dry 5 | √ | shrinkage: warp -2.6%/weft -1% | | 48% | 1,5% | 51% | 58% | 16% | 27% | 65% | 86% |
| **toby** | 8088 | 85% recycled polyester FR 15% polyester FR | ± 307 cm, ± 121 inches | ± 491 gr/m¹ ± 16 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -2.6%/weft -1% | | 46%<br>33%<br>25% | 43%<br>22%<br>6% | 32%<br>27%<br>24% | 48%<br>41%<br>36% | 43%<br>32%<br>23% | 9%<br>27%<br>40% | 51%<br>56%<br>60% | 67%<br>73%<br>79% |

*Tested on light, medium and dark colours.

VESCOM

| product name | product number | composition | width | weight | floor-to-ceiling installation | flame retardancy | color-fastness to light | color-fastness to crocking | OEKO-TEX® | maintenance | sound absorption | light transmission* | light remission/ reflection* | uv transmission* | solar transmission* | solar reflection* | solar absorption* | gtot* | Fc value* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ISO 105-B02 (scale 1-8) | ISO 105-X12 (scale 1-5) | | | ISO 354 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 |
| **acoustic sheers** | | | | | | | | | | | | | | | | | | | |
| **capri** | 8056 | 100% polyester FR | ± 306 cm, ± 120 inches | ± 303 gr/m¹ ± 10 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -0.6%/weft -1.2% | pleated $\alpha_w$ 0.65 | 44% 32% 21% | 52% 40% 22% | 8% 6% 3% | 43% 37% 31% | 50% 43% 35% | 8% 21% 35% | 47% 50% 54% | 62% 66% 71% |
| **elara** | 8089 | 100% polyester FR | ± 302 cm, ± 119 inches | ± 338 gr/m¹ ± 11 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -1.5%/weft -1% | pleated $\alpha_w$ 0.50 | 45% 36% 28% | 53% 39% 33% | 23% 16% 13% | 44% 39% 35% | 52% 45% 43% | 4% 16% 22% | 46% 49% 50% | 60% 64% 65% |
| **formoza** | 8090 | 58% polyester FR 42% recycled polyester FR | ± 295 cm, ± 116 inches | ± 392 gr/m¹ ± 13 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -0.7%/weft -0.9% | pleated $\alpha_w$ 0.80 | 50% 39% 23% | 45% 33% 17% | 13% 7% 4% | 49% 43% 36% | 43% 38% 29% | 8% 19% 35% | 51% 53% 57% | 67% 70% 75% |
| **lucy** | 8092 | 60% recycled polyester FR 40% polyester FR | ± 307 cm, ± 121 inches | ± 494 gr/m¹ ± 16 oz/yd¹ | √ | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -0.9%/weft -0.5% | pleated $\alpha_w$ 0.55 | 46% 32% 21% | 41% 29% 7% | 11% 7% 4% | 46% 38% 33% | 42% 37% 26% | 12% 25% 40% | 51% 53% 58% | 67% 70% 76% |
| **marmara** | 8025 | 100% polyester FR | ± 300 cm, ± 118 inches | ± 318 gr/m¹, ± 11 oz/yd¹ | √ | √ | 5 | wet 4-5 dry 4-5 | √ | shrinkage: warp -0.4%/weft -0.8% | pleated $\alpha_w$ 0.50 | 51% 43% 17% | 45% 39% 13% | 20% 16% 9% | 51% 46% 35% | 44% 40% 28% | 6% 13% 38% | 50% 52% 58% | 66% 68% 76% |
| **tinos** | 8078 | 100% polyester FR | ± 154 cm, ± 61 inches | ± 153 gr/m¹, ± 5 oz/yd¹ | | √ | 6 | wet 4-5 dry 4-5 | √ | shrinkage: warp -0.4%/weft -0.9% | pleated $\alpha_w$ 0.60 | 50% 34% 23% | 45% 28% 13% | 10% 6% 4% | 49% 43% 33% | 44% 36% 23% | 8% 22% 44% | 50% 54% 60% | 66% 71% 79% |

*Tested on light, medium and dark colours.

VESCOM

| product name | product number | composition | width | weight | floor-to-ceiling installation | flame retardancy | color-fastness to light | color-fastness to crocking | OEKO-TEX® | maintenance | sound absorption | light transmission* | light remission/ reflection* | uv transmission* | solar transmission* | solar reflection* | solar absorption* | gtot* | Fc value* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ISO 105-B02 (scale 1-8) | ISO 105-X12 (scale 1-5) | | | ISO 354 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 | EN 410/ EN 14501 |
| **curtains** | | | | | | | | | | | | | | | | | | | |
| **delos** | 8082 | 68% polyester FR<br>32% recycled polyester FR | ± 136 cm,<br>± 54 inches | ± 354 gr/m¹,<br>± 11 oz/yd¹ | | ✓ | 6 | wet 4-5<br>dry 4-5 | ✓ | shrinkage: warp -2.1%/weft -1.5% | | 20%<br>4%<br>0.2% | 73%<br>34%<br>6% | 11%<br>0.9%<br>0.3% | 20%<br>12%<br>10% | 72%<br>51%<br>35% | 8%<br>37%<br>55% | 34%<br>44%<br>52% | 44%<br>58%<br>68% |
| **dolin** | 8048 | 100%<br>polyester FR | ± 138 cm,<br>± 55 inches | ± 407 gr/m¹,<br>± 13 oz/yd¹ | | ✓ | 6 | wet 4-5<br>dry 4-5 | ✓ | shrinkage: warp -2.8%/weft -2% | pleated<br>$\alpha_w$ 0.85 | 10%<br>2%<br>0.3% | 53%<br>30%<br>10% | 5%<br>0.6%<br>0.3% | 13%<br>8%<br>6% | 58%<br>45%<br>30% | 30%<br>47%<br>65% | 41%<br>47%<br>54% | 54%<br>62%<br>72% |
| **ellis** | 8079 | 100%<br>polyester FR | ± 300 cm,<br>± 118 inches | ± 795 gr/m¹,<br>± 26 oz/yd¹ | ✓ | ✓ | 6 | wet 4-5<br>dry 4-5 | ✓ | shrinkage: warp -2%/weft -2.9% | pleated<br>$\alpha_w$ 0.80 | 11%<br>8%<br>1% | 43%<br>38%<br>16% | 6%<br>5%<br>1% | 19%<br>17%<br>14% | 55%<br>53%<br>42% | 26%<br>30%<br>44% | 43%<br>43%<br>49% | 56%<br>57%<br>64% |
| **heather** | 8091 | 56% polyester FR<br>44% recycled polyester FR | ± 145 cm,<br>± 57 inches | ± 289 gr/m¹,<br>± 9 oz/yd¹ | | ✓ | 6 | wet 4-5<br>dry 4-5 | ✓ | shrinkage: warp -1%/weft -1.2% | | 31%<br>28%<br>17% | 54%<br>49%<br>34% | 14%<br>13%<br>10% | 30%<br>28%<br>22% | 54%<br>50%<br>41% | 16%<br>22%<br>37% | 44%<br>46%<br>50% | 58%<br>60%<br>66% |
| **mioko** | 8057 | 100%<br>polyester FR | ± 140 cm,<br>± 56 inches | ± 413 gr/m¹,<br>± 12 oz/yd¹ | | ✓ | 6-7 | wet 5<br>dry 5 | ✓ | shrinkage: warp -1.7%/weft -0.6% | | 18%<br>2%<br>0.1% | 63%<br>26%<br>6% | 9%<br>1%<br>0.1% | 21%<br>13%<br>11% | 66%<br>49%<br>36% | 13%<br>38%<br>53% | 37%<br>45%<br>51% | 49%<br>59%<br>68% |
| **naltar** | 8083 | 100%<br>polyester FR | ± 144 cm,<br>± 57 inches | ± 273 gr/m¹,<br>± 9 oz/yd¹ | | ✓ | 6 | wet 4-5<br>dry 4-5 | ✓ | shrinkage: warp -1.4%/weft +1.5% | pleated<br>$\alpha_w$ 0.50 | 24%<br>6%<br>0.3% | 60%<br>28%<br>4% | 12%<br>2%<br>0.7% | 25%<br>16%<br>7% | 61%<br>46%<br>28% | 14%<br>39%<br>65% | 40%<br>47%<br>55% | 53%<br>62%<br>73% |
| **ponza** | 7074 | 100%<br>polyester FR | ± 140 cm,<br>± 55 inches | ± 800 gr/m¹,<br>± 26 oz/yd¹ | | ✓ | 4-5 | wet 4-5<br>dry 4-5 | ✓ | shrinkage: warp -2%/weft -0.6% | pleated<br>$\alpha_w$ 0.85 | 0% | 27% | 0% | 7% | 51% | 43% | 44% | 58% |
| **rona** | 8080 | 100%<br>polyester FR | ± 301 cm,<br>± 118 inches | ± 762 gr/m¹,<br>± 25 oz/yd¹ | ✓ | ✓ | 6 | wet 4-5<br>dry 4-5 | ✓ | shrinkage: warp -2.1%/weft -1.8% | pleated<br>$\alpha_w$ 0.75 | 27%<br>8%<br>3% | 57%<br>33%<br>14% | 15%<br>5%<br>3% | 28%<br>19%<br>15% | 58%<br>49%<br>40% | 14%<br>33%<br>45% | 41%<br>46%<br>50% | 54%<br>60%<br>66% |
| **tula** | 8081 | 60% recycled polyester FR<br>40% polyester FR | ± 149 cm,<br>± 59 inches | ± 395 gr/m¹,<br>± 13 oz/yd¹ | | ✓ | 6 | wet 4-5<br>dry 4-5 | ✓ | shrinkage: warp -2%/weft -1.6% | pleated<br>$\alpha_w$ 0.75 | 7%<br>3%<br>2% | 34%<br>16%<br>12% | 3%<br>2%<br>2% | 9%<br>4%<br>4% | 36%<br>19%<br>16% | 56%<br>77%<br>80% | 52%<br>60%<br>61% | 68%<br>79%<br>81% |

*Tested on light, medium and dark colours.

VESCOM

| product name | product number | composition | width | weight | floor-to-ceiling installation | flame retardancy | color-fastness to light<br>ISO 105-B02 (scale 1-8) | color-fastness to crocking<br>ISO 105-X12 (scale 1-5) | OEKO-TEX® | maintenance | sound absorption<br>ISO 354 | light transmission*<br>EN 410/ EN 14501 | darkening / blocking of light | light remission/ reflection*<br>EN 410/ EN 14501 | uv transmission*<br>EN 410/ EN 14501 | solar transmission*<br>EN 410/ EN 14501 | solar reflection*<br>EN 410/ EN 14501 | solar absorption*<br>EN 410/ EN 14501 | gtot*<br>EN 410/ EN 14501 | Fc value*<br>EN 410/ EN 14501 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **dim out** | | | | | | | | | | | | | | | | | | | | |
| **bedra** | 8059 | 100% polyester FR | ± 295 cm, ± 116 inches | ± 782 gr/m¹, ± 25 oz/yd¹ | ✓ | ✓ | 5 | wet 5<br>dry 5 | ✓ | shrinkage: warp -2.5%/weft -1.5% | pleated<br>$\alpha_w$ 0.70 | 0.07%<br>0%<br>0% | EN 410/EN 14501:<br>99.95%/99.99%100%<br>AATCC 148:<br>99% light blocked | 52%<br>39%<br>7% | 0%<br>0%<br>0% | 0.30%<br>0.30%<br>0.30% | 53%<br>46%<br>30% | 47%<br>54%<br>70% | 42%<br>46%<br>54% | 56%<br>60%<br>71% |
| **rani** | 8067 | 100% polyester FR | ± 294 cm, ± 116 inches | ± 861 gr/m¹, ± 28 oz/yd¹ | ✓ | ✓ | 5 | wet 4-5<br>dry 4-5 | ✓ | shrinkage: warp -1.6%/weft -0.7% | | 0.93%<br>0.67%<br>0.50% | EN 410/EN 14501:<br>99.53%/99.59%/99.75%<br>AATCC 148:<br>99% light blocked | 67%<br>67%<br>67% | 0%<br>0%<br>0% | 1%<br>1%<br>1% | 61%<br>61%<br>61% | 37%<br>38%<br>37% | 38%<br>38%<br>38% | 50%<br>50%<br>50% |
| **tavira** | 8009 | 100% polyester FR | ± 300 cm, ± 118 inches | ± 906 gr/m¹, ± 29 oz/yd¹ | ✓ | ✓ | 6 | wet 4-5<br>dry 4-5 | ✓ | shrinkage: warp -2%/weft -0.5% | | 0.10%<br>0.10%<br>0% | EN 410/EN 14501:<br>99.93%/99.91%/100%<br>AATCC 148:<br>99% light blocked | 32%<br>34%<br>13% | 0%<br>0%<br>0% | 7%<br>7%<br>7% | 54%<br>54%<br>44% | 39%<br>39%<br>49% | 42%<br>42%<br>47% | 56%<br>55%<br>62% |
| **black out** | | | | | | | | | | | | | | | | | | | | |
| **elba** | 8069 | 100% polyester FR acrylic coating | ± 277 cm, ± 109 inches | ± 1075 gr/m¹, ± 35 oz/yd¹ | ✓ | ✓ | 5 | wet 4-5<br>dry 4-5 | | shrinkage: warp -1.5%/weft -1.2% | pleated<br>$\alpha_w$ 0.35 | 0%<br>0%<br>0% | EN 410/EN 14501:<br>100%<br>AATCC 148:<br>100% light blocked | 75%<br>75%<br>75% | 0%<br>0%<br>0% | 0.03%<br>0.03%<br>0.03% | 67%<br>67%<br>67% | 33%<br>33%<br>33% | 35%<br>35%<br>35% | 46%<br>46%<br>46% |
| **moroni** | 8060 | 100% polyester acrylic coating | ± 280 cm, ± 110 inches | ± 761 gr/m¹, ± 25 oz/yd¹ | ✓ | ✓ | 5-6 | wet 4<br>dry 4 | | shrinkage: warp -1.6%/weft -0.6% | | 0%<br>0%<br>0% | EN 410/EN 14501:<br>100%<br>AATCC 148:<br>100% light blocked | 80%<br>80%<br>80% | 0%<br>0%<br>0% | 0.1%<br>0.1%<br>0.1% | 68%<br>65%<br>71% | 32%<br>35%<br>29% | 35%<br>36%<br>33% | 46%<br>48%<br>44% |
| **sotra** | 8070 | 100% polyester FR acrylic coating | ± 283 cm, ± 111 inches | ± 778 gr/m¹, ± 25 oz/yd¹ | ✓ | ✓ | 5 | wet 4-5<br>dry 4-5 | | shrinkage: warp -1.2%/weft -0.4% | pleated<br>$\alpha_w$ 0.35 | 0%<br>0%<br>0% | EN 410/EN 14501:<br>100%<br>AATCC 148:<br>100% light blocked | 82%<br>82%<br>82% | 0%<br>0%<br>0% | 0.1%<br>0.1%<br>0.1% | 70%<br>74%<br>70% | 30%<br>26%<br>30% | 34%<br>31%<br>34% | 44%<br>41%<br>44% |

*Tested on light, medium and dark colours.